

AMSAT News Service Weekly Bulletins

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AMSAT News Service

ANS-259

September 15, 2024

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The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on <https://www.amsat.org> publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor [at] amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see:
<https://mailman.amsat.org/postorius/lists/ans.amsat.org/>

LAST DAY TO VOTE - AMSAT Board of Directors Election Concludes at 23:59 EDT on September 15th

The nomination period for the 2024 AMSAT Board of Directors Election ended on June 15th. The following candidates have been duly nominated:

- Mark Hammond, N8MH
- Frank Karnauskas, N1UW
- Bruce Paige, KK5DO
- Paul Stoetzer, N8HM
- Douglas Tabor, N6UA

As three seats on the Board of Directors are up for election this year, the three candidates receiving the largest number of votes shall be declared elected to the seats. The two candidates receiving the next largest number of votes shall be declared First Alternate and Second Alternate, respectively.

The voting process is now underway and will conclude at 23:59 EDT on September 15th. AMSAT members can find candidate statements and electronic voting information on AMSAT's Wild Apricot Membership Portal

<<https://launch.amsat.org/2024-BoD-Election>>.

Results will be announced no later than September 30th.

[ANS thanks Jeff Davis, KE9V, AMSAT Secretary for the above information]

Registration Continues for the 42nd Annual AMSAT Space Symposium & Annual General Meeting

The 42nd Annual AMSAT Space Symposium and Annual General Meeting will be held on Friday through Saturday, October 25-26, 2024, at the DoubleTree by Hilton Tampa Rocky Point Waterfront in Tampa, Florida.

Highlights of all scheduled events include:

- AMSAT Board of Directors Meeting, October 24-25
- 42nd AMSAT Space Symposium and Annual General Meeting, October 25-26
- Friday Night Social and Auction, October 25
- AMSAT Banquet and Reception, October 26
- AMSAT Ambassador Breakfast (all are welcome), October 27

Note – if you wish to register guests for the banquet and/or breakfast who are not attending the Symposium sessions, you must register for each event separately and include your guests with your banquet and breakfast tickets.

If you are interested in presenting or submitting a paper for inclusion in the Symposium Proceedings, please see the Call for Papers
<<https://www.amsat.org/2024-symposium/call-for-papers-2024/>>.

IMPORTANT: The deadline for Symposium registrations if you want to include the Saturday evening banquet or Sunday breakfast is Friday, October 18th. Meals cannot be ordered after that date.
Click Here to Register Now <<https://launch.amsat.org/event-5833792>>Hotel Reservations

The rate for a standard room with two Queen beds is \$169.00 plus state and local taxes of 14.5%. Rooms may be available for check-in on Wednesday, October 23 and check out Sunday, October 27.

Rooms can be reserved at
<https://www.hilton.com/en/attend-my-event/radioamateursatellite/>.

Reservations may also be made by phone at 813-888-8800. Reference AMSAT to receive the group rate.

*Note: If you are planning on driving to the Symposium or renting a car, parking charges are \$20 per night for overnight parking. *

We, at AMSAT, are excited to be able to host our 42nd annual Symposium this year. We hope that you can join us in celebrating Amateur Radio in Space.
Schedule

Thursday, October 24, 2024

8:00 AM – 6:00 PM AMSAT Board Meeting
6:00 PM – 8:00 PM Pre-Registration Check-in

Friday, October 25, 2024

8:00 AM – 12:00 Noon AMSAT Board Meeting (Closed Session)
9:00 AM – 4:00 PM Registration
1:00 PM – 1:15 PM AMSAT Symposium Kickoff, President's Welcome
1:15 PM – 5:00 PM Paper Sessions
5:00 PM – 7:00 PM Informal Dinner on your own

7:00 PM – 9:00 PM AMSAT Reception and Auction, Cash Bar Available

Saturday, October 26, 2024

8:00 AM – 11:45 AM Registration
8:00 AM – 8:15 AM AMSAT Symposium Welcome
8:15 AM – 12:00 Noon Paper Sessions
1:00 PM – 3:15 PM Paper Sessions
3:30 PM – 4:45 PM AMSAT Annual Meeting & Awards Ceremony
6:00 PM – 7:00 PM Attitude Adjustment (Social), Cash Bar
7:00 PM – 10:00 PM AMSAT Banquet, Cash Bar

Sunday, October 27, 2024

7:30 AM – 9:00 AM AMSAT Ambassador Breakfast (All are welcome)

[ANS thanks the AMSAT Symposium Committee for the above information]

Call for Papers

Papers continue to be accepted for the 42nd annual AMSAT Space Symposium to be held on the weekend of October 25-27, 2024 at the Doubletree by Hilton Tampa Rocky Point Waterfront in Tampa, Florida.

Proposals for symposium papers and presentations are invited on any topic of interest to the amateur satellite community. We request a tentative title of your presentation as soon as possible, with final copy submitted by October 18 for inclusion in the symposium proceedings. Abstracts and papers should be sent to Dan Schultz, N8FGV at [n8fgv\(a\)usa.net](mailto:n8fgv(a)usa.net)

[ANS thanks Dan Schultz, N8FGV, AMSAT Symposium Proceedings Editor for the above information]

F. Brent Abbott, NA7D, Chief Revenue Officer of Rogue Space Systems, to Keynote AMSAT Space Symposium Banquet

F. Brent Abbott, NA7D, Chief Revenue Officer of Rogue Space Systems will keynote the AMSAT Space Symposium Banquet, to be held on Saturday, October 26th.

Brent has been the Chief Revenue Officer of Rogue Space Systems responsible for growth since July 2022. Before Rogue, Brent stood up the nanosatellite manufacturer NanoAvionics US office and factory as CEO and grew the US business. Before joining NanoAvionics, Brent was the CEO and head of North American operations for AAC/Clyde Space. Prior to that, he helped set up and held several senior roles at Surrey Satellite Technologies US (SST-US). He also started the hosted payload program at SST-US with the world's first all commercial hosted payload satellite OTB-1 (Orbital Test Bed). Prior to joining Surrey in 2008, Brent served as business development manager at Honeywell Defense & Space and invented their Miniature Momentum Control System using Control Moment Gyros. His background also includes work as an engineer at Honeywell Commercial Aviation.

Mr. Abbott is a registered professional engineer and graduated with a Bachelor of Science degree in electrical engineering from Iowa State University. Brent, NA7D, is a member of AMSAT and has been an amateur radio operator since 1992.

[ANS thanks the AMSAT Symposium Team for the above information]

*2024 Coins Are Still Available! Help Support GOLF and Fox Plus.**Join
<<https://www.amsat.org/join-the-amsat-presidents-club/>> the AMSAT

President's Club today!*

July/August 2024 issue of *The AMSAT Journal* Now Available

The July/August 2024 issue of *The AMSAT Journal* is now available for AMSAT members to download on the AMSAT Member Portal
<https://launch.amsat.org/The_AMSAT_Journal>.

Inside the Current Issue:

- Apogee View – Robert Bankston, KE4AL
- Paul Graveline, K1YUB (SK)
- Update: Decoding The Message from "A Sign in Space": A Year-long Journey - SETI Institute
- 2024 AMSAT Field Day Results - Bruce Paige, KK5D0
- AMSAT Awards - Bruce Paige, KK5D0
- The Effects of Space Weather in Ham Radio Communications - Giselle M. Galván Tejada
- Desktop Satellite Tracker - Zeke Wheeler, KN7JLL
- The Journal Celebrates AO-7 - Paul Stoetzer, N8HM

[ANS thanks Joe Kornowski, KB6IGK, AMSAT Journal Editor-in-Chief, for the above information]

Changes to AMSAT TLE Distribution for September 13, 2024

Two Line Elements or TLEs, often referred to as Keplerian elements or keps in the amateur community, are the inputs to the SGP4 standard mathematical model of spacecraft orbits used by most amateur tracking programs. Weekly updates are completely adequate for most amateur satellites. TLE bulletin files are updated Thursday evenings around 2300 UTC, or more frequently if new high interest satellites are launched. More information may be found at <https://www.amsat.org/keplerian-elements-resources/>

There are no changes to this week's distribution.

[ANS thanks Joe Fitzgerald, KM1P, AMSAT Orbital Elements Manager, for the above information]

*Need new satellite antennas? Purchase an M2 LEO-Pack from the **AMSAT Store! <<https://amsat.org/product-category/hardware/>>**When you purchase through **AMSAT, a portion of the proceeds goes towards **Keeping Amateur Radio in Space.*

ARISS News

Amateurs and others around the world may listen in on contacts between amateurs operating in schools and allowing students to interact with astronauts and cosmonauts aboard the International Space Station. The downlink frequency on which to listen is 145.800 MHz worldwide.

Sailing Event, Moscow, Russia, direct via TBD

The ISS callsign is presently scheduled to be RS0ISS
The scheduled crewmember is Aleksandr Grebyonkin RZ3DSE
The ARISS mentor is RV3DR

Contact is go for: Sat 2024-09-21 16:25 UTC
*Amur State University, Blagoveshchensk, Russia, direct via TBD *

The ISS callsign is presently scheduled to be RS0ISS
The scheduled crewmember is Ivan Vagner

The ARISS mentor is RV3DR

Contact is go for: Tue 2024-09-24 09:25 UTC

Tatarstan, Russia, direct via TBD

The ISS callsign is presently scheduled to be RS0ISS

The scheduled crewmember is Aleksey Ovchinin

The ARISS mentor is RV3DR

Contact is go for Fri 2024-09-27 13:20 UTC

As always, if there is an EVA, a docking, or an undocking; the ARISS radios are turned off as part of the safety protocol.

The crossband repeater continues to be active (145.990 MHz up {PL 67} & 437.800 MHz down), If any crewmember is so inclined, all they have to do is pick up the microphone, raise the volume up, and talk on the crossband repeater. So give a listen, you just never know.

Note, all times are approximate. It is recommended that you do your own orbital prediction or start listening about 10 minutes before the listed time.

The latest information on the operation mode can be found at

<https://www.ariss.org/current-status-of-iss-stations.html>

The latest list of frequencies in use can be found at

<https://www.ariss.org/contact-the-iss.html>

[ANS thanks Charlie Sufana, AJ9N, one of the ARISS operation team mentors for the above information]

----- Upcoming Satellite Operations

A growing number of satellite rovers are currently engaged in sharing their grid square activations on <https://hams.at>. By visiting the website, you gain easy access to comprehensive information about the operators responsible for activating specific grid squares. Additionally, you have the ability to assess the match score between yourself and a particular rover for a given pass, while also being able to identify the upcoming satellite passes that are accessible from your location.

Jim, *WU0I*, will be conducting a rove until Sep. 22. *Jim does NOT do X so if you need to set up a sked or whatever, please use the email address shown below. hams.at <<https://hams.at/>> *might be worth monitoring, but there was not direct mention of it in his email.

[ANS thanks Ian Parsons, K5ZM, AMSAT Rover Page Manager, for the above information]

* Want to fly the colors on your own grid expedition?*

Get an AMSAT car flag and other neat stuff from our Zazzle store

<https://www.zazzle.com/store/amsat_gear>!

25% of the purchase price of each product goes towards Keeping Amateur Radio in Space

----- AMSAT Ambassador Activities

AMSAT Ambassadors provide presentations, demonstrate communicating through amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

AMSAT Ambassador Clint Bradford, K6LCS, says,

"Think a 75-minute presentation on "working the easy satellites" would be appropriate for your club or event? Let me know by emailing me at k6lcsclint (at) gmail (dot) com or calling me at 909-999-SATS (7287)!"

Clint has NEVER given the exact same show twice: EACH of the 150+ presentations so far has been customized/tailored to their audiences.
Scheduled Events

*Central Kentucky Hamfest**October 5, 2024*

Lexington, KY
AMSAT and Educational Satellites Forum and Information Table
AI4SR and W4FCL

*North Star Radio Convention**October 5, 2024*

Hennepin Technical College (North Campus)
Brooklyn Park, Minn.
AMSAT Forum and Information Table
KØJM and ADØHJ

Radio Society of Tucson
October 5, 2024

Calvary Tucson Church
7811 E. Speedway
Tucson, AZ
<https://k7rst.club/2024/07/tucson-autumn-ham-fest-2024/>
N1UW

Pacificon 2024, ARRL Pacific Division Conference
October 18-20, 2024

San Ramon, CA
WUØI

*2024 AMSAT Space Symposium and Annual General Meeting**October 25-27, 2024*

Doubletree by Hilton Tampa Rocky Point Waterfront
3050 N Rocky Point Dr W
Tampa, FL 33607

Stone Mountain Hamfest, ARRL State Convention
November 2-3, 2024

Stone Mountain, GA
K4RGK

Oro Valley Amateur Radio Club
November 9, 2024

Marana Middle School
11285 West Grier Rd.
Marana, AZ 85653
<https://www.tucsonhamradio.org/copy-of-hamfest-2022>
N1UW

Yuma HAMCON
February 20-22, 2025

Yuma, AZ
N1UW

[ANS thanks Bo Lowrey, W4FCL, Director – AMSAT Ambassador Program, for the above information]

Satellite Shorts from All Over

+ PLDSpace is currently offering student satellite launches at no cost. Information can be found at <https://spark-program.pldspace.com/en/> (ANS thanks JoAnne, K9JKM, for the tip)

+ Congratulations to our newest GridMaster! Ryan, KI7QEK, earned award #71. (ANS thanks Bruce Paige, KK5D0, AMSAT Director of Contests & Awards for the information)

+ Another AMSAT VUCC/r (Reverse VUCC) award was also issued this past week. #17 goes to Leticia, LU5ILA. She has been very active roving in South America with 106 grids activated on satellite. (ANS thanks Bruce Paige, KK5D0, AMSAT Director of Contests & Awards for the information)

+ AMSAT's Operations team, in coordination with the University of Maine and AMSAT Engineering, continues to work to complete MESAT1's science mission. More telemetry coverage is needed! If you have UHF receive capability, please download FoxTelem <<https://www.amsat.org/tlm/>> and help us capture more data. (ANS thanks AMSAT for the information)

Join AMSAT today at <https://launch.amsat.org/>

In addition to regular membership, AMSAT offers membership to:

- Societies (a recognized group, clubs or organization).
- Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
- Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
- Memberships are available for annual and lifetime terms.

Contact info [at] amsat.org for additional membership information.

73 and remember to help Keep Amateur Radio in Space!

This week's ANS Editor,

Paul Stoetzer, N8HM

n8hm [at] arrl.net <<http://arrl.net>>

ANS is a service of AMSAT, the Radio Amateur Satellite Corporation, 712 H Street NE, Suite 1653, Washington, DC 20002